Comparisons of Job Characteristics

Focus Occupation: Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic (51-4021)
Associated Occupation: Foundry Mold and Coremakers (51-4071)

Compare Knowledge
Compare Skills
Compare Abilities
Compare Detailed Work Activities
Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge — Similarity of Focus Occupation to Associated Occupation: 73

Focus Occupation: Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic (51-4021)
Associated Occupation: Foundry Mold and Coremakers (51-4071)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Production and Processing	6.0	11.8	9.6	<	Expanded education and/or training may be required
Mechanical	6.8	11.0	13.4	>	Current knowledge level is likely sufficient
Engineering and Technology	5.7	9.2	7.6	<	Expanded education and/or training may be required
Chemistry	4.8	6.9	8.6	>	Current knowledge level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills — Similarity of Focus Occupation to Associated Occupation: 59

Focus Occupation: Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic (51-4021)
Associated Occupation: Foundry Mold and Coremakers (51-4071)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Troubleshooting	4.5	4.7	7.7	>>	Skill level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities — Similarity of Focus Occupation to Associated Occupation: 84

Focus Occupation: Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic (51-4021)
Associated Occupation: Foundry Mold and Coremakers (51-4071)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Manual Dexterity	6.5	12.2	10.2	<	Some improvement in abilities may be required
Multilimb Coordination	6.0	11.9	11.0	0	Current ability level may be sufficient
Static Strength	5.0	11.5	9.6	<	Some improvement in abilities may be required
Finger Dexterity	7.6	11.4	8.5	<<	Extensive improvement in abilities may be required
Reaction Time	4.8	10.5	11.9	>	Current ability level is likely sufficient
Trunk Strength	5.7	10.2	10.3	0	Current ability level may be sufficient
Auditory Attention	5.9	9.5	9.2	0	Current ability level may be sufficient
Rate Control	3.8	8.3	9.2	>	Current ability level is likely sufficient
Dynamic Strength	3.5	7.4	6.6	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 85

Focus Occupation: Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic (51-4021)
Associated Occupation: Foundry Mold and Coremakers (51-4071)

Work Activities	Exclusivity of Activity
Adjust production equipment/machinery setup	25
Move or fit heavy objects	8
Read production layouts	66
Read technical drawings	7
Understand technical operating, service or repair manuals	6

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: n/a

Focus Occupation: Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic (51-4021)
Associated Occupation: Foundry Mold and Coremakers (51-4071)

Tools and Technologies	Exclusivity
Tools and technology data is unavailable for one or both occupations.	

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.